DAILY FIELD REPORT 098

Prepared By: LANGAN

WEATHER	Snow		Rain	x	Overcast	x	Partly Cloudy		Sunny	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP Project No:	C224304	**Date:**	November 22, 2021
Project Name:	45 Commercial Street	**Time:**	5:45 am to 3:45 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth, Inc. (CE)

Langan Field Personnel:
Yaskira Mota

Work Activities Performed:

- STNY loaded trucks with soil[1] stockpiled in waste characterization grid COMP J South for off-site disposal to the Clean Earth of Carteret (CEC) facility located in Carteret, NJ.
- STNY repaired small tears (less than 1 inch wide) that were created when rebar was installed in waste characterization grids COMP G and COMP H. Tears were repaired using vapor barrier membrane (Stego® Wrap 20 Mil) and Stego® Tape.

Material Tracking:

- The following soil/fill was exported from the site:
    - Four loads of non-native soil was transported to the CEC facility located in Carteret, NJ
- No material was imported to the site.

Samples Collected:

- No samples were collected from site.

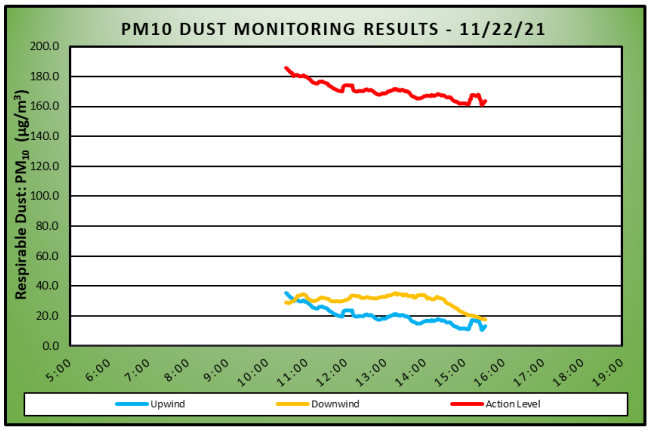
[1] COMP J (0-6)/MEP Trench 2

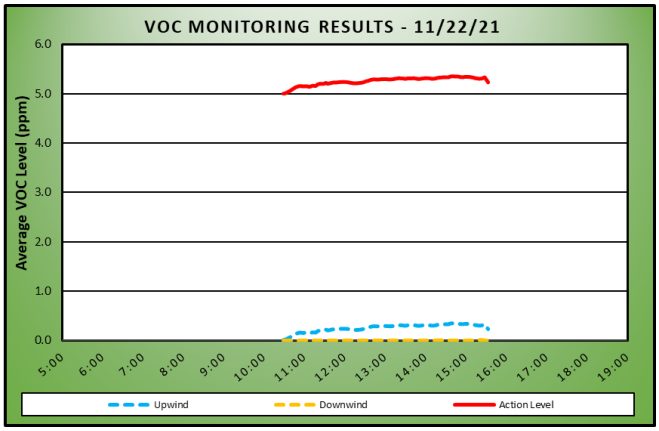
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	32.3		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	20.6	30.1	Daily Time Weighted Average	0.3	0.0
Maximum 15-min Average	35.5	35.5	Maximum 15-min Average	0.4	0.0
Minimum 1-min Instant Reading	7.0	16.0	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	58.3	46.5	Maximum 1-min Instant Reading	0.4	0.2

µg/m³-micrograms per cubic meter. ppm= parts per million.

Data was not collected until 10:14 AM due to inclement weather. No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:





Planned Activities:

- STNY will continue excavating for utilities and will continue exporting soil for off-site disposal.
- STNY will continue installing SMD system components and the vapor barrier.

File Name: 2021-11-22 Daily Field Report_098

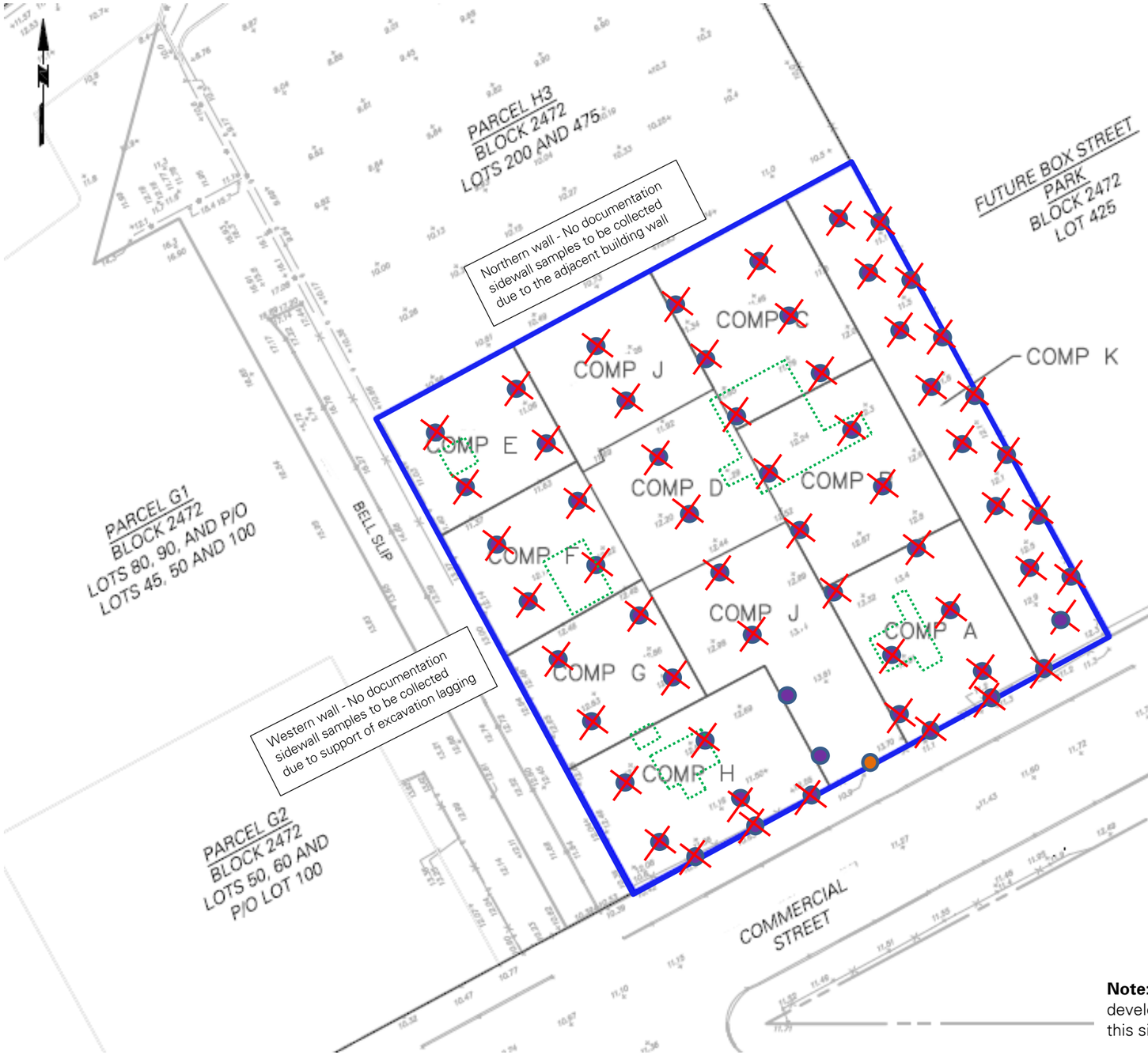
SITE PLAN

Note: Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

A

- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Concrete Pouring**
- **Approximate Area of Installed Demarcation Layer**
- **Approximate Location of Hotspot Endpoint Sample**

DOCUMENTATION SAMPLE PLAN



Site Boundary

Waste Characterization Grid
COMP I (5-10)

Proposed Base Documentation Sample Location

Proposed Base Documentation Sample Location

Documentation Sample Collected Today

Previously Collected Documentation Sample

Note: Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP

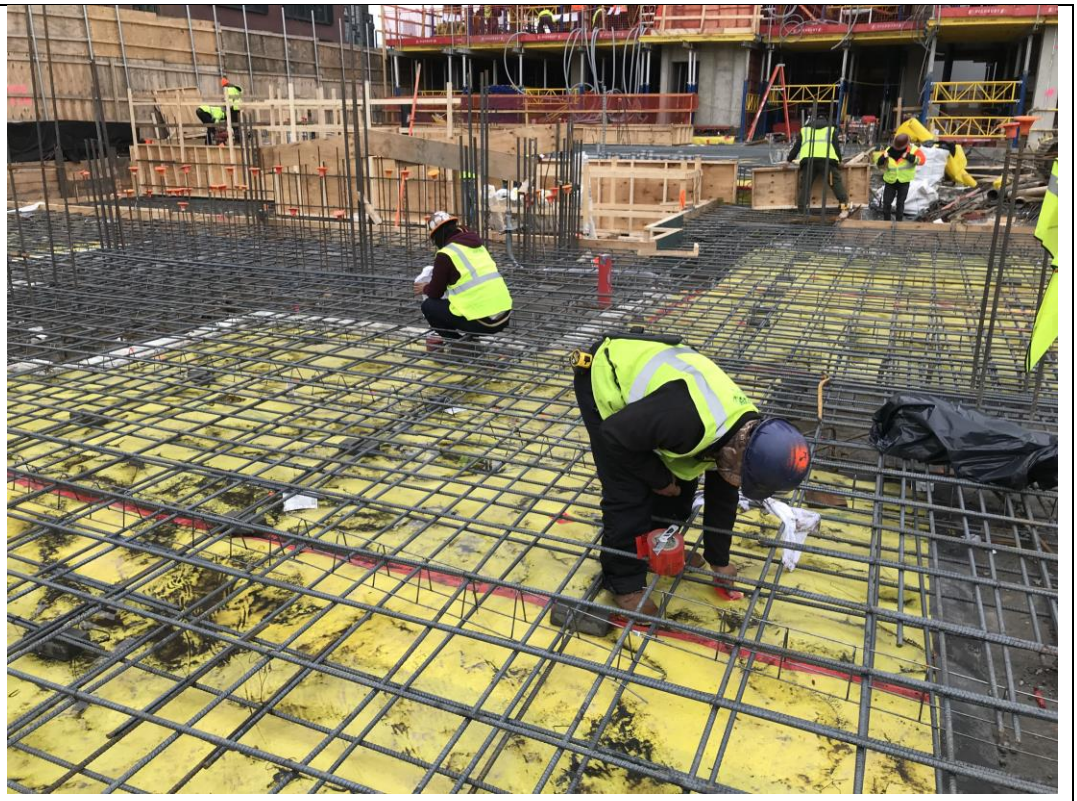
Note: Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **Site Boundary**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower A**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower B**
- **Approximate Location of Deep Foundation Elements (No Depressurization)**
- **SMD System Installation In Progress (Geotextile/Aggregate)**
- **SMD System Installation In Progress (SMD Piping)**
- **SMD System Installation In Progress (Waterproofing/Vapor Barrier)**
- **Concrete Foundation Slab Poured**

Photo Log

Photo 1: View of STNY loading a truck with soil for off-site disposal to the CEC facility (facing northwest)	
Photo 2: View of COMP J south after the soil stockpile[1] was exported off site (facing south)	

File Name: 2021-11-22 Daily Field Report_098

Photo 3: View of STNY repairing small tears in the vapor barrier membrane (Stego® Wrap 20 Mil) (facing north)	
Photo 4: View of STNY cleaning the vapor barrier membrane (facing south)	

File Name: 2021-11-22 Daily Field Report_098

DAILY FIELD REPORT 099

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	x
TEMP.	< 32		32-50	x	50-70		70-85		>85	

BCP Project No:	C224304	**Date:**	November 23, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 3:30 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth, Inc. (CE)

Langan Field Personnel:
Yaskira Mota

Work Activities Performed:

- STNY sealed pipe penetrations through the vapor barrier barrier membrane in waste characterization grid COMP G using vapor barrier membrane (Stego ® Wrap 20 Mil) and Stego® Tape.
- STNY poured concrete for the building foundation slab in waste characterization grids COMP H and COMP G.
- STNY poured concrete for the hoist bed in waste characterization grid COMP J South.

Material Tracking:

- No soil/fill was exported from the site.
- No material was imported to the site.

Samples Collected:

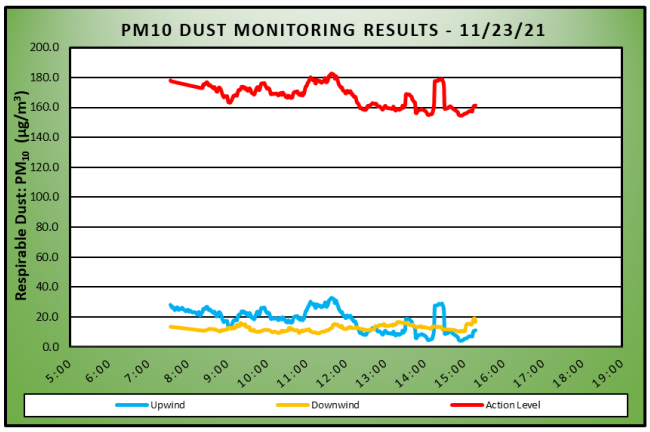
- No samples were collected from site.

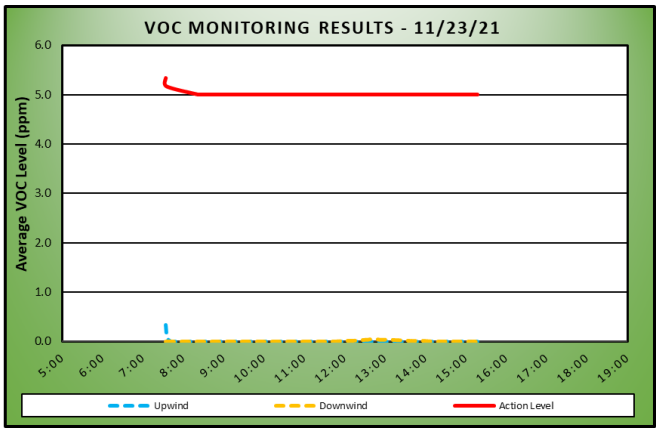
Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	20.7		Daily background	0.3	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	18.1	12.5	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	32.7	19.0	Maximum 15-min Average	0.3	0.0
Minimum 1-min Instant Reading	1.2	6.3	Minimum 1-min Instant Reading	0.0	0.1
Maximum 1-min Instant Reading	225.5	44.0	Maximum 1-min Instant Reading	4.0	0.0

µg/m³-micrograms per cubic meter. ppm= parts per million.

No data was collected from the downwind station from 7:36 am until 8:07 am due to the battery getting unplugged from the station while work was performed near the station, the station was reconnected at 8:06 am. No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:





Planned Activities:

- STNY will regrade the courtyards and place the demarcation barrier at subgrade.
- STNY will excavate to collect hotspot samples.
- STNY will export Soil Stockpile 3 for off-site disposal.
- STNY will continue excavating for utilities and will continue exporting soil for off-site disposal.

File Name: 2021-11-23 Daily Field Report_099

SITE PLAN

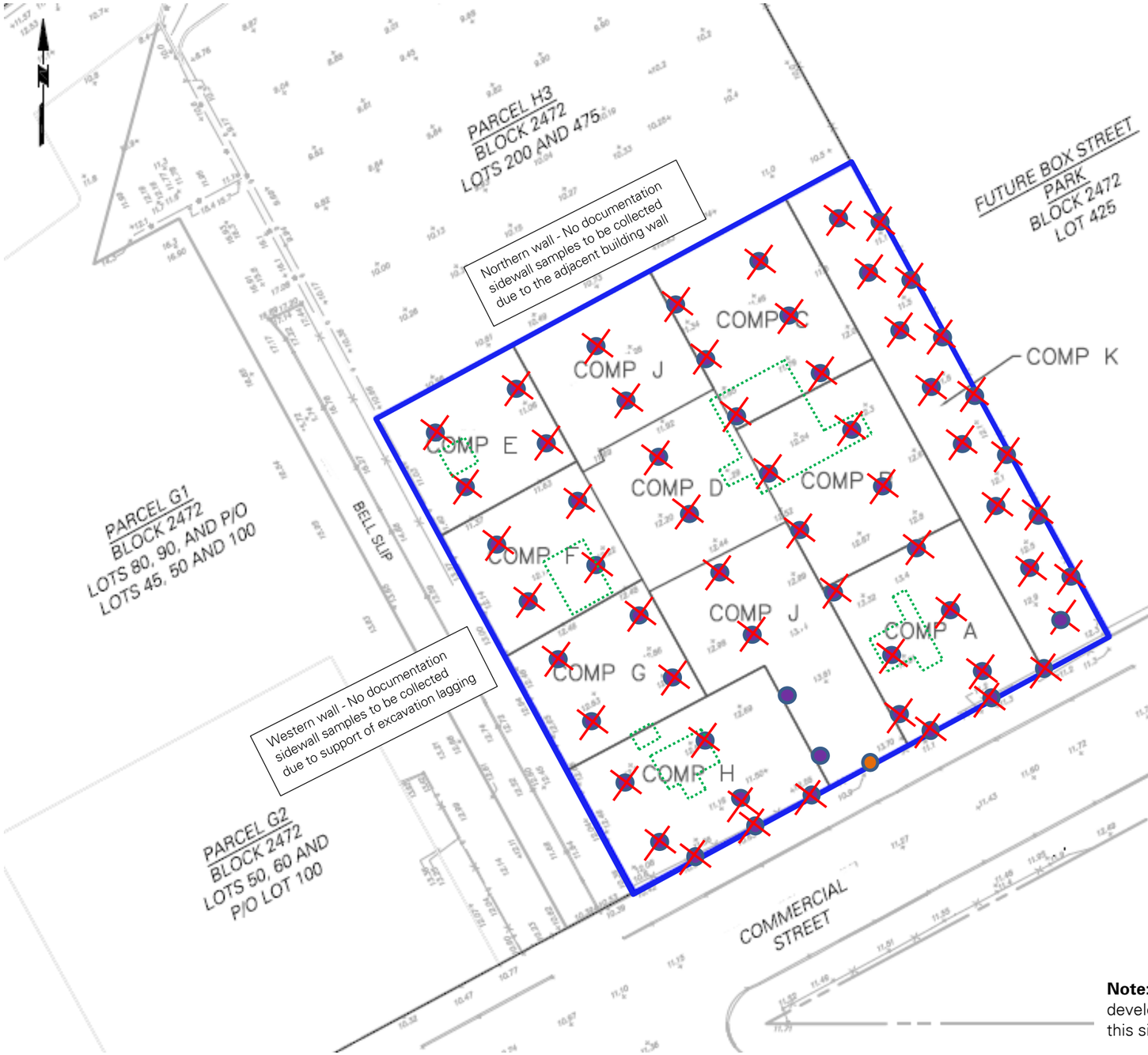
Note: Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

A

- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Area of Regrading**
- **Approximate Area of Asphalt/Concrete Removal**
- **Approximate Location of Concrete Pouring**
- **Approximate Area of Installed Demarcation Layer**
- **Approximate Location of Hotspot Endpoint Sample**

File Name: 2021-11-23 Daily Field Report_099

DOCUMENTATION SAMPLE PLAN



Site Boundary

Waste Characterization Grid
COMP I (5-10)

Proposed Base Documentation Sample Location

Proposed Base Documentation Sample Location

Documentation Sample Collected Today

Previously Collected Documentation Sample

Note: Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP

Note: Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **Site Boundary**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower A**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower B**
- **Approximate Location of Deep Foundation Elements (No Depressurization)**
- **SMD System Installation In Progress (Geotextile/Aggregate)**
- **SMD System Installation In Progress (SMD Piping)**
- **SMD System Installation In Progress (Waterproofing/Vapor Barrier)**
- **Concrete Foundation Slab Poured**

Photo Log

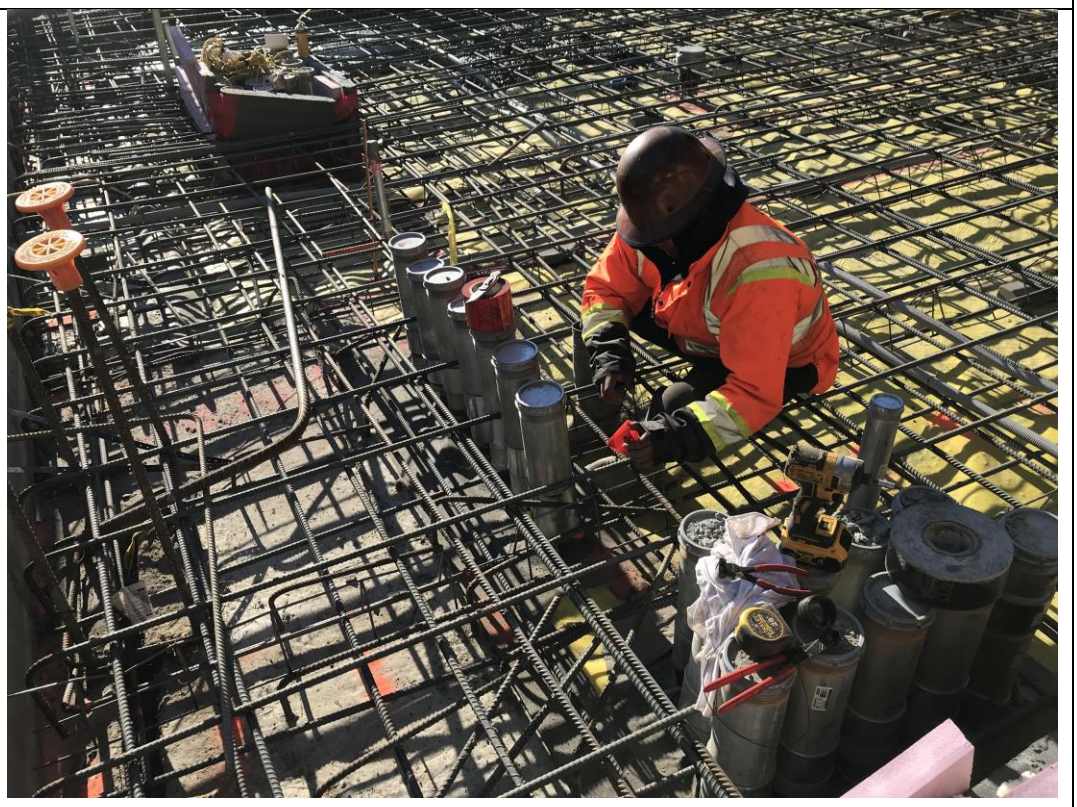
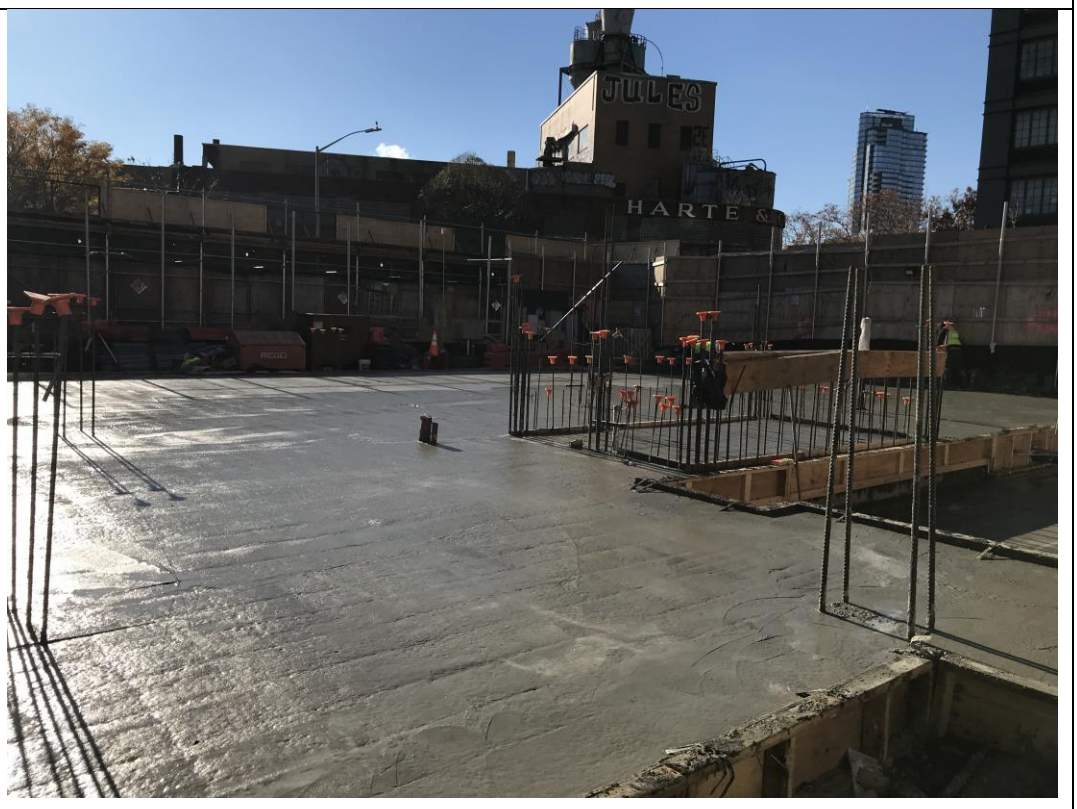
Photo 1: View of STNY pouring concrete for the hoist bed in waste characterization grid COMP J South (facing northwest)	
Photo 2: View of STNY sealing pipe penetrations through the vapor barrier membrane (Stego® Wrap 20 Mil) before concrete pour in waste characterization grid COMP G (facing southwest)	

Photo 3: View of STNY pouring concrete for foundation slab in waste characterization grid COMP G (facing southeast).	
Photo 4: View of poured foundation slab concrete in waste characterization grid COMP H (facing northwest)	

File Name: 2021-11-23 Daily Field Report_099

DAILY FIELD REPORT 100

Prepared By: LANGAN

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Sunny	x
TEMP.	< 32		32-50	x	50-70		70-85		>85	

BCP Project No:	C224304	**Date:**	November 24, 2021
Project Name:	45 Commercial Street	**Time:**	6:45 am to 1:15 pm

Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

Construction Manager: Monadnock Construction Inc. (MC)
Foundation Contractor: StructureTech New York, Inc. (STNY)
Soil Broker: Clean Earth, Inc. (CE)

Langan Field Personnel:
Yaskira Mota

Work Activities Performed:

- STNY excavated the following areas of the site.
  - An about 12-foot-long by 2-foot-wide area to a maximum depth of 5 foot below grade surface (bgs) to repair utility piping in waste characterization grid COMP J South. Excavated material consisted of imported 0.75-inch stone and non-native soil that did not exhibit signs of chemical- or petroleum-like contamination. Imported stone and soil were not comingled and were temporarily stockpiled adjacent to the excavation. Following the utility repair, the excavated stone and soil were used to backfill the trench in the same locations and depths they were excavated from.
  - An about 25-foot-long by 17-foot-wide area to a maximum depth of 5 feet bgs to install plumbing utilities in waste characterization grid COMP J South. Excavated material consisted of imported 0.75-inch stone that did not exhibit signs of chemical- or petroleum-like contamination. The 0.75-inch stone was stockpiled adjacent to the excavation in waste characterization grid COMP J South in preparation for future backfill on-site.

Material Tracking:

- No soil/fill was exported from the site.
- No material was imported to the site.

Samples Collected:

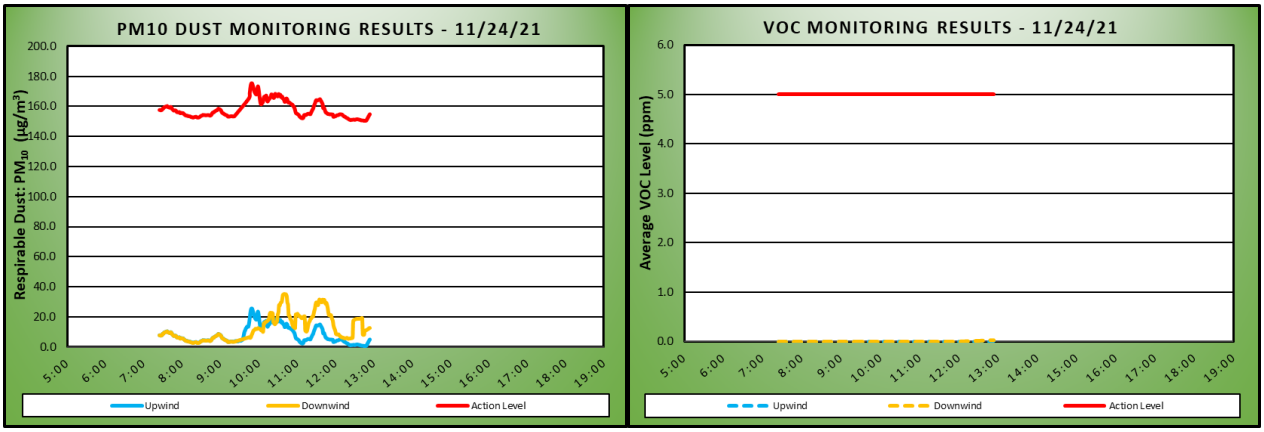
- No samples were collected from site.

Air Monitoring

Particulate Monitoring (µg/m³)			Organic Vapor Monitoring (ppm)		
Daily background	7.7		Daily background	0.0	
Averaging Period	Upwind	Downwind	Averaging Period	Upwind	Downwind
Daily Time Weighted Average	7.8	12.4	Daily Time Weighted Average	0.0	0.0
Maximum 15-min Average	25.7	35.1	Maximum 15-min Average	0.0	0.0
Minimum 1-min Instant Reading	0.0	0.8	Minimum 1-min Instant Reading	0.0	0.0
Maximum 1-min Instant Reading	58.5	173.5	Maximum 1-min Instant Reading	0.0	0.1

µg/m³-micrograms per cubic meter. ppm= parts per million.

No particulate or organic vapor exceedances at the downwind station were encountered. The daily Community Air Monitoring Program (CAMP) monitoring results are also presented in the following charts:



Planned Activities:

- STNY will regrade waste characterization grids COMP J North and COMP J South (courtyards), install the demarcation barrier, and backfill.
- STNY will continue excavating for utilities and will continue exporting soil for off-site disposal.

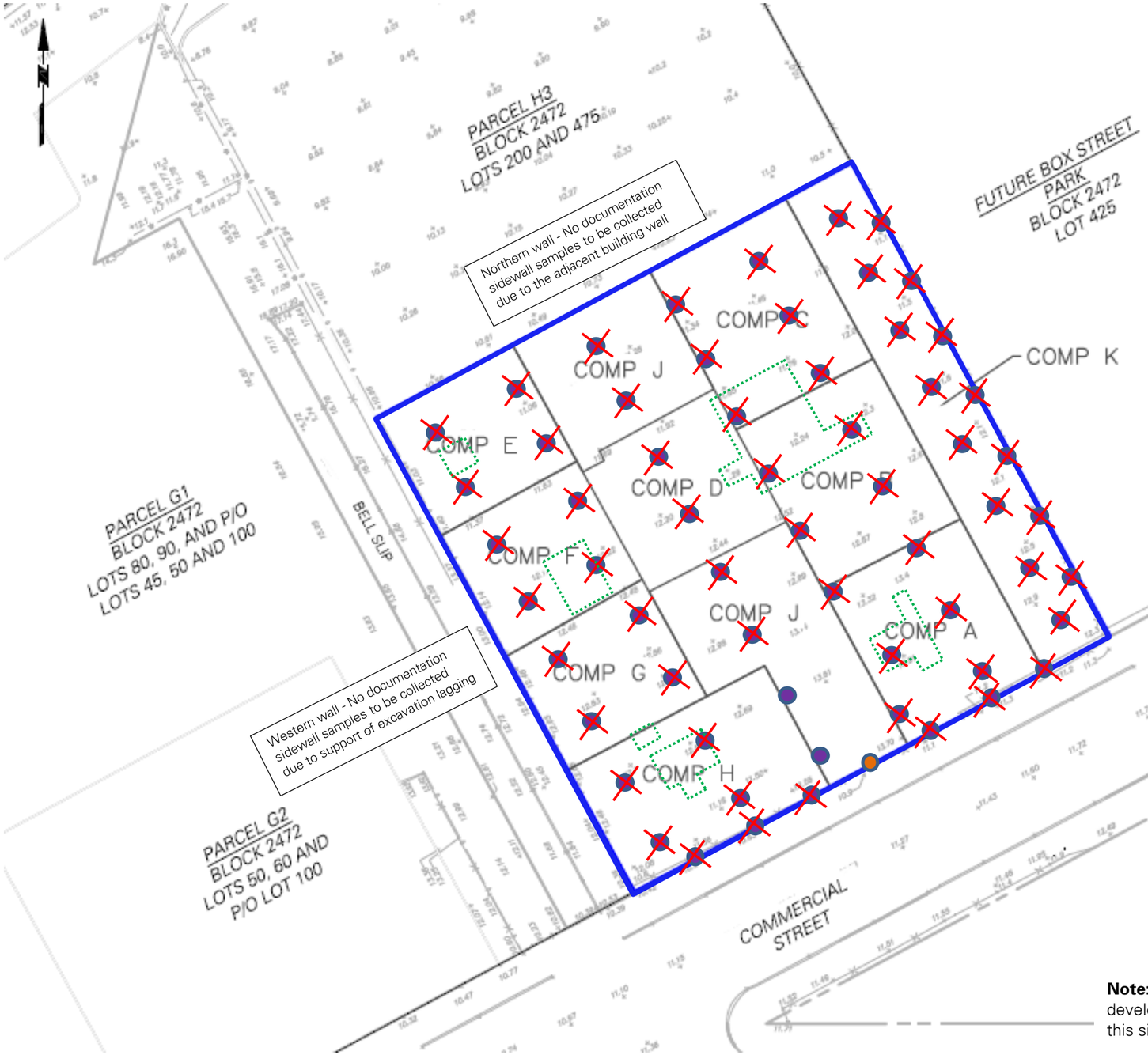
File Name: 2021-11-24 Daily Field Report_100

SITE PLAN

Note: Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

- **Site Boundary**
- **Waste Characterization Grid COMP I (5-10)**
- **Upwind CAMP station**
- **Downwind CAMP station**
- **Stockpile – Soil**
- **Stockpile – C&D (Concrete)**
- **Stockpile – Imported Material**
- **Approximate Location of Excavation**
- **Approximate Area of Backfilling**
- **Approximate Location of Concrete Pouring**
- **Approximate Area of Installed Demarcation Layer**
- **2 Foot Remedial Excavation Completed**
- **2 Foot Remedial Excavation Completed, Demarcation Layer Installed, and 2 Feet of Clean Cover Layer Placed**

DOCUMENTATION SAMPLE PLAN



Site Boundary

Waste Characterization Grid COMP I (5-10)

Proposed Base Documentation Sample Location

Proposed Base Documentation Sample Location

Documentation Sample Collected Today

Previously Collected Documentation Sample

Note: Waste characterization grid areas were developed by Clean Earth, Inc. and shown on this site plan for reference only.

WATERPROOFING/VAPOR BARRIER AND SMD INSTALLATION MAP

Note: Base Map Source: Drawing FO-100.00, Foundation (1st Floor) Plan, Dated December 20, 2019, Prepared by WSP USA.

- **Site Boundary**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower A**
- **Approximate Location of Sub-Slab Vapor Collection Slotted Pipe Run – Blower B**
- **SMD System Installation In Progress (Geotextile/Aggregate)**
- **SMD System Installation In Progress (SMD Piping)**
- **SMD System Installation In Progress (Waterproofing/Vapor Barrier)**
- **Concrete Foundation Slab Poured**

Photo Log

Photo 1: View of STNY excavating in waste characterization grid COMP J South to repair utility pipes (facing northeast).	
Photo 2: View of STNY excavating in waste characterization grid COMP J South to install plumbing utilities (facing south).	

Photo 3: View of excavated non-native soil stockpiled in waste characterization COMP J South (facing north).	
Photo 4: View of STNY backfilling the utility excavation in waste characterization grid COMP J South (facing southeast).